

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

5 1 (currently amended): A method of setting a transfer function of an adaptive filter, the adaptive filter being used for processing an audio signal, the method comprises:

(a) setting a first, a second, and a third pole of the adaptive filter;

10 (b) setting a first zero of the adaptive filter without resting upon the audio signal, wherein a real part of the first zero is a negative value and an imaginary part of the first zero is a positive value;

(c) setting a second zero of the adaptive filter having a real part corresponding a positive value and an imaginary part corresponding to a negative value; [[and]]

15 (d) setting a third zero of the adaptive filter according to a key shifting associated with the audio signal; and

(e) filtering the audio signal with the adaptive filter to produce a filtered audio signal.

20 2 (original): The method of claim 1, wherein the first, the second, and the third poles all correspond to a zero value.

3 (original): The method of claim 1, wherein the third zero corresponds to a real negative value.

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4 (original): The method of claim 3, wherein the third zero is adjusted to increase its absolute value while key of the audio signal is sharpened.

5 (original): The method of claim 3, wherein the third zero is adjusted to  
30 decrease its absolute value while key of the audio signal is flattened.

6 (original): The method of claim 1, wherein the first and the second zeros are a pair of complex conjugates.

5    7 (original): The method of claim 1, wherein the adaptive filter is a low-pass filter.

8 (original): The method of claim 1, wherein in step (c), the second zero is set without resting upon the audio signal.

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9 (cancelled).